<?xml version="1.0" encoding="utf-8"?>

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

    android:layout\_width="match\_parent"

    android:layout\_height="match\_parent"

    android:orientation="vertical">

    <TimePicker

        android:id="@+id/timePicker"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_gravity="center" />

    <ToggleButton

        android:id="@+id/toggleButton"

        android:layout\_width="wrap\_content"

        android:layout\_height="wrap\_content"

        android:layout\_gravity="center"

        android:layout\_margin="20dp"

        android:checked="false"

        android:onClick="OnToggleClicked" />

</LinearLayout>

Manifestcode:

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

    package="com.example.exno11" >

    <application

        android:allowBackup="true"

        android:icon="@mipmap/ic\_launcher"

        android:label="@string/app\_name"

        android:supportsRtl="true"

        android:theme="@style/AppTheme" >

        <activity android:name=".MainActivity" >

            <intent-filter>

                <action android:name="android.intent.action.MAIN" />

                <category android:name="android.intent.category.LAUNCHER" />

            </intent-filter>

        </activity>

        <receiver android:name=".AlarmReceiver" >

        </receiver>

    </application>

</manifest>

Javacode:

package com.example.exno11;

import android.app.AlarmManager;

import android.app.PendingIntent;

import android.content.Intent;

import android.os.Bundle;

import android.support.v7.app.AppCompatActivity;

import android.view.View;

import android.widget.TimePicker;

import android.widget.Toast;

import android.widget.ToggleButton;

import java.util.Calendar;

public class MainActivity extends AppCompatActivity

{

    TimePicker alarmTimePicker;

    PendingIntent pendingIntent;

    AlarmManager alarmManager;

    @Override

    protected void onCreate(Bundle savedInstanceState)

    {

        super.onCreate(savedInstanceState);

        setContentView(R.layout.activity\_main);

        alarmTimePicker = (TimePicker) findViewById(R.id.timePicker);

        alarmManager = (AlarmManager) getSystemService(ALARM\_SERVICE);

    }

    public void OnToggleClicked(View view)

    {

        long time;

        if (((ToggleButton) view).isChecked())

        {

            Toast.makeText(MainActivity.this, "ALARM ON", Toast.LENGTH\_SHORT).show();

            Calendar calendar = Calendar.getInstance();

            calendar.set(Calendar.HOUR\_OF\_DAY, alarmTimePicker.getCurrentHour());

            calendar.set(Calendar.MINUTE, alarmTimePicker.getCurrentMinute());

            Intent intent = new Intent(this, AlarmReceiver.class);

            pendingIntent = PendingIntent.getBroadcast(this, 0, intent, 0);

            time=(calendar.getTimeInMillis()-(calendar.getTimeInMillis()%60000));

            if(System.currentTimeMillis()>time)

            {

                if (calendar.AM\_PM == 0)

                    time = time + (1000\*60\*60\*12);

                else

                    time = time + (1000\*60\*60\*24);

            }

            alarmManager.setRepeating(AlarmManager.RTC\_WAKEUP, time, 10000, pendingIntent);

        }

        else

        {

            alarmManager.cancel(pendingIntent);

            Toast.makeText(MainActivity.this, "ALARM OFF", Toast.LENGTH\_SHORT).show();

        }

    }

}

New java file:

package com.example.exno11;

import android.content.BroadcastReceiver;

import android.content.Context;

import android.content.Intent;

import android.media.Ringtone;

import android.media.RingtoneManager;

import android.net.Uri;

import android.widget.Toast;

public class AlarmReceiver extends BroadcastReceiver

{

    @Override

    public void onReceive(Context context, Intent intent)

    {

        Toast.makeText(context, "Alarm! Wake up! Wake up!", Toast.LENGTH\_LONG).show();

        Uri alarmUri = RingtoneManager.getDefaultUri(RingtoneManager.TYPE\_ALARM);

        if (alarmUri == null)

        {

            alarmUri = RingtoneManager.getDefaultUri(RingtoneManager.TYPE\_NOTIFICATION);

        }

        Ringtone ringtone = RingtoneManager.getRingtone(context, alarmUri);

        ringtone.play();

    }

}